FARECLA G3 FINE FINISHING COMPOUND

Safety Data Sheet (New Zealand)

Issue date: 21/8/2024 Revision date: 21/8/2024 Supersedes version of: 2/17/2015 Version: 3.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	:	Mixture
Trade name	:	FARECLA G3 FINE FINISHING COMPOUND
Product code	:	FAG3F101

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Main use category	:	Professional use
Use of the substance/mixture	:	Abrasive polishing compound

Uses advised against

Restrictions on use	:	This material should not be used for any other purpose than the identified uses without expert advice. Improper use may cause potential health, safety and environmental risks.

1.3. Details of the supplier of the safety data sheet

Manufacturer
Farecla Products Limited
Broadmeads
Ware, SG12 9HS, Hertfordshire
UK
T +44 (0)19 2046 5041 (8:30-16:30 Monday to Friday),
F +44 (0)19 2046 6557
technical@farecla.com, www.farecla.com

Supplier
Wyatt Machine Tools (Rupes) NZ Limited
388 Church Street
Penrose
Auckland
New Zealand
T (09) 525 1000, F (09) 525 1009

1.4. Emergency telephone number

Emergency number	:	0800 992 881 (0800WYATT1)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP)	:	P102 - Keep out of reach of children.
EUH-statements	:	EUH208 - Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. EUH210 - Safety data sheet available on request.

2.3. Other hazards

Other hazards which do not result in classification	:	If in eyes: this material may cause mechanical irritation.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Aluminium Oxide (1344-28-1), 1,2-benzisothiazol-3(2H)-one (2634-33-5)(1), Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)(1), Sodium Nitrate (7631-99-4)(1), Glycerol (56-81-5), Triethanolamine (102-71-6)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Aluminium Oxide (1344-28-1), 1,2-benzisothiazol-3(2H)-one (2634-33-5)(1), Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)(1), Sodium Nitrate (7631-99-4)(1), Glycerol (56-81-5), Triethanolamine (102-71-6)

(1) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS-No.: 1174522-19-0 EC-No.: 919-029-3 REACH-no: 01-2119457735-29	10 - 30	Asp. Tox. 1, H304
Aluminium Oxide substance with national workplace exposure limit(s)	CAS-No.: 1344-28-1 EC-No.: 215-691-6 REACH-no: 01-2119529248-35	1 - 10	Not classified
White mineral oil (petroleum) substance with national workplace exposure limit(s)	CAS-No.: 8042-47-5 EC-No.: 232-455-8 REACH-no: 01-2119487078-27	1 - 10	Not classified
Glycerol substance with national workplace exposure limit(s)	CAS-No.: 56-81-5 EC-No.: 200-289-5 REACH-no: 01-2119471987-18	1 - 10	Not classified
Triethanolamine	CAS-No.: 102-71-6 EC-No.: 203-049-8 REACH-no: 01-2119486482-31	< 1	Not classified
Benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33	≤ 0.035	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Aquatic Acute 1, H400 Aquatic Chronic 2, H411

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	< 0.05	Acute Tox. 4 (Oral), H302 (ATE=490 mg/kg bodyweight) Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.05 mg/l/4h) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium Nitrate	CAS-No.: 7631-99-4 EC-No.: 231-554-3 REACH-no: 01-2119488221-41	< 0.003	Ox. Sol. 3, H272 Eye Irrit. 2, H319
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) substance with national workplace exposure limit(s)	CAS-No.: 55965-84-9 EC-No.: 911-418-6 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-48	< 0.0015	Acute Tox. 3 (Oral), H301 (ATE=66 mg/kg bodyweight) Acute Tox. 2 (Dermal), H310 (ATE=50 mg/kg bodyweight) Acute Tox. 2 (Inhalation), H330 (ATE=0.05 mg/l/4h) Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	(0.05 ≤ C ≤ 100) Skin Sens. 1; H317
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS-No.: 55965-84-9 EC-No.: 911-418-6 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-48	(0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317 (0.06 ≤ C < 0.6) Skin Irrit. 2; H315 (0.06 ≤ C < 0.6) Eye Irrit. 2; H319 (0.6 ≤ C ≤ 100) Skin Corr. 1C; H314 (0.6 ≤ C ≤ 100) Eye Dam. 1; H318

Comments : Contains amongst other ingredients:
5-15% aliphatic hydrocarbons; 5-15% aluminium oxide; <5% nonionic surfactants, polycarboxylates, perfume, chloromethylisothiazolinone, methylisothiazolinone, benzisothiazolinone. Contains fragrance allergen(s): 0.035% Benzyl Benzoate. For more ingredient information visit www.farecla.com

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Wash skin with plenty of water.

First-aid measures after eye contact	:	Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	:	Rinse mouth out with water. Do not induce vomiting. Call a poison center or a doctor if you feel unwell. Never give anything by mouth to an unconscious person.
First-aid measures for first aider	:	First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	:	Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	:	May cause slight irritation. redness, itching, tears.
Symptoms/effects after ingestion	:	May cause irritation to the digestive tract.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	:	Do not scatter spilled material with high-pressure water streams.

5.2. Special hazards arising from the substance or mixture

Fire hazard	:	Not flammable. No fire hazard.
Explosion hazard	:	No direct explosion hazard. Product is not explosive.
Reactivity in case of fire	:	Fire could produce a combination of irritating and toxic gases.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

5.3. Advice for firefighters

Precautionary measures fire	:	Keep container closed when not in use.
Firefighting instructions	:	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	:	On exposure to high temperature, may decompose, releasing toxic gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Stop leak if safe to do so. Isolate from fire, if possible, without unnecessary risk. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Ventilate spillage area. Avoid contact with eyes. Evacuate area.

For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Cover spill with non combustible material, e.g.: sand/earth. Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	:	Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up	:	Take up liquid spill into absorbent material. Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed container for disposal. Clean contaminated surfaces with an excess of water.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	:	Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Keep in a cool, well-ventilated place away from heat.
Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep at temperatures above freezing. Allowing freezing conditions may degrade product.
Incompatible products	:	Oxidizing agent. Strong acids. Strong bases.
Heat and ignition sources	:	Store away from direct sunlight or other heat sources.
Information on mixed storage	:	Store away from foodstuffs.
Storage area	:	Store away from heat. Store in a well-ventilated place.
Packaging materials	:	Store always product in container of same material as original container.

Switzerland

Storage class (LK)	:	LK 10/12 - Liquids

7.3. Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Aluminium Oxide (1344-28-1)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	5 mg/m³ (respirable fraction, smoke)
MAK (OEL STEL)	10 mg/m³ (respirable fraction, smoke)
Belgium - Occupational Exposure Limits	
Local name	Aluminium (métal et composés insolubles, fraction alvéolaire) # Aluminium (metaal en onoplosbare verbindingen, inadembare fractie)
OEL TWA	1 mg/m³
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	10 mg/m³ (total dust, inhalable particles) 4 mg/m³ (respirable dust)

Aluminium Oxide (1344-28-1)	
Denmark - Occupational Exposure Limits	
OEL TWA	5 mg/m³ (total) 2 mg/m³ (respirable)
Estonia - Occupational Exposure Limits	
OEL TWA	10 mg/m³ (total dust) 4 mg/m³ (respirable dust)
France - Occupational Exposure Limits	
Local name	Aluminium (Trioxyde de di-)
VME (OEL TWA)	10 mg/m³
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)
Greece - Occupational Exposure Limits	
Local name	Αλουμίνα, α-
OEL TWA	10 mg/m³ αναπν. 5 mg/m³ εισπν.
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	6 mg/m³ (respirable dust)
Ireland - Occupational Exposure Limits	
Local name	Aluminium oxides
OEL TWA	4 mg/m³ respirable dust 10 mg/m³ total inhalable dust
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
Latvia - Occupational Exposure Limits	
OEL TWA	6 mg/m³ (disintegration aerosol)
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	5 mg/m³ (inhalable fraction) 2 mg/m³ (respirable fraction)
Poland - Occupational Exposure Limits	
Local name	Tritlenek glinu
NDS (OEL TWA)	1.2 mg/m³ w przeliczeniu na Al: frakcja respirabilna 2.5 mg/m³ w przeliczeniu na Al: frakcja wdychalna
Remark	Frakcja wdychalna – frakcja aerozolu wnikająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia. Frakcja respirabilna – frakcja aerozolu wnikająca do dróg oddechowych, która stwarza zagrożenie dla zdrowia po zdeponowaniu w obszarze wymiany gazowej.
Regulatory reference	Dz. U. 2018 poz. 1286 wraz z późn. zm.
Portugal - Occupational Exposure Limits	
OEL TWA	10 mg/m³ (particulate matter containing no Asbestos and <1% Crystalline silica)
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen

Aluminium Oxide (1344-28-1)	
Romania - Occupational Exposure Limits	
OEL TWA	2 mg/m³ (aerosols) 3 mg/m³ (dust (Aluminium and Aluminium oxides) 1 mg/m³ (fume (Aluminium and Aluminium oxides)
OEL STEL	5 mg/m³ (aerosols) 10 mg/m³ (dust (Aluminium and Aluminium oxides) 3 mg/m³ (fume (Aluminium and Aluminium oxides)
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	4 mg/m³ (inhalable dust)
Spain - Occupational Exposure Limits	
Local name	Óxido de aluminio (Corindón)
VLA-ED (OEL TWA)	10 mg/m³
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2024. INSHT
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	5 mg/m³ (total dust) 2 mg/m³ (respirable fraction)
United Kingdom - Occupational Exposure Limits	
Local name	Aluminium oxides
WEL TWA (OEL TWA)	10 mg/m³ inhalable dust 4 mg/m³ respirable dust
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Norway - Occupational Exposure Limits	
Local name	Aluminiumoksid
Grenseverdi (OEL TWA)	10 mg/m³
Korttidsverdi (OEL STEL)	15 mg/m³ (equal to the limit value for Nuisance dust)
Remark	1) Grenseverdien er fastsatt lik verdien for sjenerende støv.
Regulatory reference	FOR-2023-12-18-2278
Switzerland - Occupational Exposure Limits	
Local name	Aluminium oxyde / Aluminiumoxid [Korund]
MAK (OEL TWA)	3 mg/m³ (a) / (a)
KZGW (OEL STEL)	24 mg/m³ (respirable dust, smoke)
Critical toxicity	Formel / Formal
Notation	B / B
Remark	NIOSH
Regulatory reference	www.suva.ch, 01.01.2023
Switzerland - BAT	
Local name	Aluminium oxyde / Aluminiumoxid
BAT	50 µg/g creatinine (0.21 µmol/mmol cr.; Paramètre biologique: Aluminium; Substrat d'examen: Urine; Moment du prélèvement: Exposition de longue durée: après plusieurs périodes de travail.) / (0.21 µmol/mmol cr.; Biologischer Parameter: Aluminium; Untersuchungsmaterial: Urin; Probennahmezeitpunkt: Bei Langzeitexposition: nach mehreren vorangegangenen Schichten.)

Aluminium Oxide (1344-28-1)	
Regulatory reference	Ordonnance 832.30 (OPA), article 50 al. 3, www.suva.ch/valeurs-limites / Verordnung 832.30 (VUV), Art. 50 Abs. 3, www.suva.ch/grenzwerte
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1 mg/m³

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	0.05 mg/m³ (5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one mixture in ratio 3:1)
OEL chemical category	Skin sensitizer
Switzerland - Occupational Exposure Limits	
Local name	2,3-Dihydro-isothiazol-3-one de 5-chloro-2-méthyle et 2,3-dihydro-isothiazol-3-one de 2-méthyle [2,3-Dihydro-isothiazol-3-one de 5-chloro-2-méthyle, 2,3-Dihydro-isothiazol-3-one de 2-méthyle] / 5-Chlor-2-methyl-2,3-dihydro-isothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on [2-Methyl-2,3-dihydroisothiazol-3-on, 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-on]
MAK (OEL TWA)	0.2 mg/m³ (i) / (e)
KZGW (OEL STEL)	0.4 mg/m³ (i) / (e)
Critical toxicity	VRS, Peau, Yeux / OAW, Haut, Auge
Notation	S, SS_C / S, SS_C
Regulatory reference	www.suva.ch, 01.01.2024

Sodium Nitrate (7631-99-4)	
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	6 mg/m³ (dust)

White mineral oil (petroleum) (8042-47-5)	
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Weißes Mineralöl (Erdöl)
AGW (OEL TWA)	5 mg/m³ (A)
Peak exposure limitation factor	4(II)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900
Switzerland - Occupational Exposure Limits	
Local name	Huile de paraffine / Weissöl, pharmazeutisch
MAK (OEL TWA)	5 mg/m³ (i) / (e)
Critical toxicity	Poumons / Lunge
Notation	SS_C / SS_C
Remark	NIOSH, DFG
Regulatory reference	www.suva.ch, 01.01.2024

Glycerol (56-81-5)	
Belgium - Occupational Exposure Limits	
Local name	Glycérine (brouillard) # Glycerine (nevel)
OEL TWA	10 mg/m³
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Czech Republic - Occupational Exposure Limits	
Local name	Glycerol, mlha
PEL (OEL TWA)	10 mg/m³
	2.6 ppm
NPK-P (OEL C)	15 mg/m³
	3.9 ppm
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 330/2023 Sb.)
Finland - Occupational Exposure Limits	
Local name	Glyseroli
HTP (OEL TWA)	20 mg/m³
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)
France - Occupational Exposure Limits	
Local name	Glycérine (aérosols de)
VME (OEL TWA)	10 mg/m³
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Glycerin
AGW (OEL TWA)	200 mg/m³ (E)
Peak exposure limitation factor	2(I)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900
Greece - Occupational Exposure Limits	
Local name	Γλυκερίνη
OEL TWA	10 mg/m³
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Poland - Occupational Exposure Limits	
Local name	Glicerol
NDS (OEL TWA)	10 mg/m³ frakcja wdychalna
Remark	Frakcja wdychalna – frakcja aerozolu wnikająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia.
Regulatory reference	Dz. U. 2018 poz. 1286 wraz z późn. zm.

Glycerol (56-81-5)	
Spain - Occupational Exposure Limits	
Local name	Glicerina
VLA-ED (OEL TWA)	10 mg/m³ nieblas
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2024. INSHT
United Kingdom - Occupational Exposure Limits	
Local name	Glycerol
WEL TWA (OEL TWA)	10 mg/m³ mist
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Switzerland - Occupational Exposure Limits	
Local name	Glycérine / Glycerin
MAK (OEL TWA)	50 mg/m³ (i) / (e)
KZGW (OEL STEL)	100 mg/m³ (i) / (e)
Critical toxicity	VRS / OAW
Notation	SS_C / SS_C
Regulatory reference	www.suva.ch, 01.01.2024

Triethanolamine (102-71-6)	
Belgium - Occupational Exposure Limits	
Local name	Triéthanolamine # Tri-ethanolamine
OEL TWA	5 mg/m³
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Czech Republic - Occupational Exposure Limits	
Local name	Triethanolamin
PEL (OEL TWA)	5 mg/m³
	0.81 ppm
NPK-P (OEL C)	10 mg/m³
	1.61 ppm
Remark	D - při expozici se významně uplatňuje pronikání faktoru kůží, I - dráždí sliznice (oči, dýchací cesty) resp. kůži.
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 330/2023 Sb.)
Finland - Occupational Exposure Limits	
Local name	Trietanoliamiini
HTP (OEL TWA)	5 mg/m³
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	2,2',2''-Nitrilotriethanol
AGW (OEL TWA)	1 mg/m³ (E)
Peak exposure limitation factor	1(I)

Triethanolamine (102-71-6)	
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900
Ireland - Occupational Exposure Limits	
Local name	Triethanolamine
OEL TWA	5 mg/m³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
Spain - Occupational Exposure Limits	
Local name	Trietanolamina
VLA-ED (OEL TWA)	5 mg/m³
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2024. INSHT
Sweden - Occupational Exposure Limits	
Local name	Trietanolamin
NGV (OEL TWA)	5 mg/m³
	0.8 ppm
KGV (OEL STEL)	10 mg/m³
	1.6 ppm
Remark	H (Ämnet kan lätt upptas genom huden. Det föreskrivna gränsvärdet bedöms ge tillräckligt skydd endast under förutsättning att huden är skyddad mot exponering för ämnet ifråga); V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
Norway - Occupational Exposure Limits	
Local name	Trietanolamin
Grenseverdi (OEL TWA)	5 mg/m³
Regulatory reference	FOR-2023-12-18-2278
Switzerland - Occupational Exposure Limits	
Local name	Triéthanolamine / Triethanolamin
MAK (OEL TWA)	5 mg/m³ (i) / (e)
KZGW (OEL STEL)	5 mg/m³ (i) / (e)
Critical toxicity	VRS, Peau, Yeux / OAW, Haut, Auge
Notation	SS_C / SS_C
Remark	NIOSH
Regulatory reference	www.suva.ch, 01.01.2024
USA - ACGIH - Occupational Exposure Limits	
Local name	Triethanolamine
ACGIH OEL TWA	5 mg/m³
Remark (ACGIH)	TLV® Basis: Eye & skin irr

Triethanolamine (102-71-6)	
Regulatory reference	ACGIH 2024

Recommended monitoring procedures

Monitoring methods	
Monitoring methods	Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protection equipment

Personal protective equipment:
Wear recommended personal protective equipment.

Eye and face protection

Eye protection:
Use eye protection according to EN 166, designed to protect against liquid splashes. Safety glasses

Skin protection

Skin and body protection:
Use protective clothing

Hand protection:
Where hand contact with the product may occur the use of gloves approved to EN374, made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory protection

Respiratory protection:
Make your own risk assessment and exposure measurements at your work environment. If there is no adequate ventilation or the exposure level exceeds the limit, or if there is any doubt, wear a recommended type of mask or respirator. Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.

Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment. Prevent entry into waterways, sewers, basements or confined areas.
Consumer exposure controls:
The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	White.
Appearance	:	Thick liquid.
Odour	:	Pleasant.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	≈ 0 °C

Boiling point	:	> 100 °C
Flammability	:	Not applicable
Explosive properties	:	Product is not explosive.
Oxidising properties	:	Non oxidizing material according to EC criteria.
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	> 93 °C
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	8.5 – 9.5
Viscosity, kinematic	:	16000 – 20000 mm²/s
Viscosity, dynamic	:	16000 – 20000 cP Brookfield Viscosity
Solubility	:	Dispersible in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	1.04
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

Other safety characteristics

VOC content	:	0 g/l (0%)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Aluminium Oxide (1344-28-1)	
LD50 oral rat	> 10000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 2.3 mg/l air

Aluminium Oxide (1344-28-1)	
LC50 Inhalation - Rat (Dust/Mist)	> 2.3 mg/l Source: ECHA

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LD50 oral rat	490 mg/kg bodyweight
LD50 oral	670 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	4115 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	100 mg/l

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LD50 oral rat	66 mg/kg bodyweight
LD50 dermal rat	> 1008 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	0.17 mg/l air

Sodium Nitrate (7631-99-4)	
LD50 oral rat	≈ 3430 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	3700 mg/kg
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, < 2% aromatics (1174522-19-0)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.266 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

White mineral oil (petroleum) (8042-47-5)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Glycerol (56-81-5)	
LD50 oral rat	27200 mg/kg bodyweight Animal: rat, Animal sex: female
LC50 Inhalation - Rat	5.85 mg/l air Animal: rat

Triethanolamine (102-71-6)	
LD50 oral rat	6400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight

Benzyl benzoate (120-51-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	4000 mg/kg

Skin corrosion/irritation : Not classified
pH: 8.5 – 9.5

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
pH	3.43 Temp.: 20 °C Concentration: 10 g/L

Sodium Nitrate (7631-99-4)	
pH	7 Temp.: 25 °C

Glycerol (56-81-5)	
pH	5.5 – 8

Triethanolamine (102-71-6)	
pH	11

Serious eye damage/irritation : Not classified
pH: 8.5 – 9.5

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
pH	3.43 Temp.: 20 °C Concentration: 10 g/L

Sodium Nitrate (7631-99-4)	
pH	7 Temp.: 25 °C

Glycerol (56-81-5)	
pH	5.5 – 8

Triethanolamine (102-71-6)	
pH	11

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Triethanolamine (102-71-6)	
IARC group	3 - Not classifiable

Triethanolamine (102-71-6)	
NOAEL (chronic, oral, animal/male, 2 years)	63 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies)

Reproductive toxicity : Not classified

Aluminium Oxide (1344-28-1)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
NOAEL (animal/female, F0/P)	112 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/female, F1)	56.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, < 2% aromatics (1174522-19-0)	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 (One-Generation Reproduction Toxicity Study)
NOAEL (animal/female, F0/P)	≥ 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, < 2% aromatics (1174522-19-0)	
NOAEL (animal/female, F1)	≥ 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]

Triethanolamine (102-71-6)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/female, F0/P)	300 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aluminium Oxide (1344-28-1)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.015 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.07 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LOAEL (dermal, rat/rabbit, 90 days)	0.525 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)

Sodium Nitrate (7631-99-4)	
NOAEL (oral, rat, 90 days)	≥ 1500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, < 2% aromatics (1174522-19-0)	
NOAEL (oral, rat, 90 days)	≥ 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
NOAEC (inhalation, rat, vapour, 90 days)	> 10.4 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

White mineral oil (petroleum) (8042-47-5)	
NOAEL (oral, rat, 90 days)	≥ 1200 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Triethanolamine (102-71-6)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Benzyl benzoate (120-51-4)	
NOAEL (dermal, rat/rabbit, 90 days)	781 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Aspiration hazard : Not classified

FARECLA G3 FINE FINISHING COMPOUND	
Viscosity, kinematic	16000 – 20000 mm²/s

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, < 2% aromatics (1174522-19-0)	
Viscosity, kinematic	3.3 – 20 mm²/s (20°C)

Triethanolamine (102-71-6)	
Viscosity, kinematic	830.2 mm²/s

11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

Aluminium Oxide (1344-28-1)	
LC50 - Fish [1]	0.078 – 0.108 mg/l Source: ECHA
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 0.024 mg/l Source: ECHA

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LC50 - Fish [1]	≈ 16.7 mg/l Test organisms (species): Cyprinodon variegatus
LC50 - Fish [2]	2.15 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	2.94 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	2.9 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	2.94 mg/l waterflea
EC50 - Other aquatic organisms [2]	0.11 mg/l
ErC50 algae	150 µg/l

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LC50 - Fish [1]	0.19 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	0.28 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1]	0.16 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	0.0052 mg/l (Skeletonema costatum) (OECD 201)
EC50 72h - Algae [1]	0.048 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
ErC50 algae	19.9 µg/l
NOEC (chronic)	0.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.098 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'
NOEC chronic crustacea	0.004 mg/l 21 d (Daphnia) (OECD 211)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
NOEC chronic algae	0.0012 mg/l 72 h (Pseudokirchneriella subcapitata) (OECD 201)

Sodium Nitrate (7631-99-4)	
LC50 - Fish [1]	1559 mg/l Test organisms (species): other:
LC50 - Fish [2]	1354 mg/l Test organisms (species): other:
EC50 - Crustacea [1]	8609 mg/l

Glycerol (56-81-5)	
LC50 - Fish [1]	54000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 10000 mg/l

Triethanolamine (102-71-6)	
LC50 - Fish [1]	11800 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	609.88 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 72h - Algae [1]	512 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	216 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	216 mg/l
NOEC chronic fish	> 1 mg/l Test organisms (species): other:

Benzyl benzoate (120-51-4)	
LC50 - Fish [1]	2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	3.09 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

FARECLA G3 FINE FINISHING COMPOUND	
Persistence and degradability	No persistence data available for this product.

Aluminium Oxide (1344-28-1)	
Persistence and degradability	.

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Persistence and degradability	.

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Persistence and degradability	.

Sodium Nitrate (7631-99-4)	
Persistence and degradability	.

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, < 2% aromatics (1174522-19-0)	
Persistence and degradability	Not rapidly degradable

White mineral oil (petroleum) (8042-47-5)	
Persistence and degradability	Not rapidly degradable

Glycerol (56-81-5)	
Persistence and degradability	.
Biochemical oxygen demand (BOD)	0.87 g O_2/g substance
Chemical oxygen demand (COD)	1.16 g O_2/g substance
ThOD	1.217 g O_2/g substance

Triethanolamine (102-71-6)	
Persistence and degradability	.
Biochemical oxygen demand (BOD)	0.02 g O_2/g substance
Chemical oxygen demand (COD)	1.5 g O_2/g substance
ThOD	2.04 g O_2/g substance

Benzyl benzoate (120-51-4)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

FARECLA G3 FINE FINISHING COMPOUND	
Bioaccumulative potential	No indication of bio-accumulation potential.

Aluminium Oxide (1344-28-1)	
Bioaccumulative potential	No bioaccumulation data available.

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
BCF - Fish [1]	6.62
Partition coefficient n-octanol/water (Log Pow)	-0.9 – 0.99

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
BCF - Fish [1]	41 – 54
Bioconcentration factor (BCF REACH)	3.6 (calculated) S 1177
Partition coefficient n-octanol/water (Log Pow)	-0.32 – 0.7

Sodium Nitrate (7631-99-4)	
Partition coefficient n-octanol/water (Log Pow)	-3.8

Glycerol (56-81-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.75

Triethanolamine (102-71-6)	
BCF - Fish [1]	0.4 – 3.9 l/kg
Partition coefficient n-octanol/water (Log Pow)	-1.9

Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	4

12.4. Mobility in soil

FARECLA G3 FINE FINISHING COMPOUND	
Ecology - soil	The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Surface tension	72.6 mN/m
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.97

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.81 – 1

Glycerol (56-81-5)	
Surface tension	63.4 mN/m
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0

Triethanolamine (102-71-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.06 – 1.27

12.5. Results of PBT and vPvB assessment

FARECLA G3 FINE FINISHING COMPOUND
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Aluminium Oxide (1344-28-1), 1,2-benzisothiazol-3(2H)-one (2634-33-5)(1), Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)(1), Sodium Nitrate (7631-99-4)(1), Glycerol (56-81-5), Triethanolamine (102-71-6)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Aluminium Oxide (1344-28-1), 1,2-benzisothiazol-3(2H)-one (2634-33-5)(1), Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)(1), Sodium Nitrate (7631-99-4)(1), Glycerol (56-81-5), Triethanolamine (102-71-6)

(1) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

Other adverse effects : No additional information available.
Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations	:	Completely empty the packaging prior to decontamination. Clean using water and a detergent. Comply with applicable regulations for solid waste disposal. Recycle or dispose of in compliance with current legislation.
Additional information	:	Do not re-use empty containers. Consult an expert on waste disposal or treatment.
European List of Waste (LoW, EC 2000/532)	:	08 04 12 - adhesive and sealant sludges other than those mentioned in 08 04 11

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

New Zealand Regulation

This mixture is not classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	**Changed item**	**Comments**
	Supersedes version of	**Modified**
	Revision date	**Modified**
	Adverse health effects caused by endocrine disrupting properties	**Added**
2.2	Precautionary statements (CLP)	**Added**
3	Composition/information on ingredients	**Modified**
4.1	First-aid measures for first aider	**Added**
4.1	First-aid measures after skin contact	**Modified**
4.1	First-aid measures after ingestion	**Modified**
5.2	Reactivity in case of fire	**Added**
5.2	Explosion hazard	**Added**
5.2	Fire hazard	**Modified**
5.3	Firefighting instructions	**Added**
6.1	Emergency procedures	**Added**
6.1	Emergency procedures	**Modified**
6.1	General measures	**Added**
6.3	For containment	**Added**
6.3	Methods for cleaning up	**Modified**
7.1	Additional hazards when processed	**Added**
7.2	Heat and ignition sources	**Added**
7.2	Technical measures	**Added**
7.2	Packaging materials	**Added**
8	Monitoring methods	**Added**
8.2	Respiratory protection	**Modified**
8.2	Personal protective equipment	**Modified**
8.2	Hand protection	**Modified**
8.2	Eye protection	**Modified**
8.2	Appropriate engineering controls	**Modified**
9	Viscosity, dynamic	**Modified**
9	VOC content	**Modified**
12.2	Persistence and degradability	**Modified**
12.6	Adverse effects on the environment caused by endocrine disrupting properties	**Added**
12.7	Other adverse effects	**Added**
13.1	Product/Packaging disposal recommendations	**Added**
13.1	Additional information	**Added**

Indication of changes		
Section	**Changed item**	**Comments**
13.1	Sewage disposal recommendations	**Added**
13.1	Regional waste regulation	**Added**
16	Abbreviations and acronyms	**Modified**

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class
BCF	Bioconcentration factor
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
IARC	International Agency for Research on Cancer
OECD	Organisation for Economic Co-operation and Development
STP	Sewage treatment plant

Abbreviations and acronyms:	
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
N.O.S.	Not Otherwise Specified
ED	Endocrine disruptor

Full text of H- and EUH-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

Full text of H- and EUH-statements:	
Skin Sens. 1A	Skin sensitisation, category 1A

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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